<u>Amendments To The Claims</u>:

This listing of claims will replace all prior versions, and listings, of claims in the application:

<u>Listing of Claims</u>:

1   1.   (cancelled)

1   2.   (currently amended) The method of Claim ~~1~~ 48 wherein a ratio of a duration of the
2   groups of sounds to a ratio of a duration of the ~~first~~ long silent periods is less than 1:1.

1   3.   (currently amended) The method of Claim ~~1~~ 48 wherein at least one of the plurality of
2   different groups of audible sounds includes a plurality of sounds at different audible
3   frequencies.

1   4.   (currently amended) The method of Claim 3 wherein at least one of the plurality of
2   different groups of audible sounds includes a plurality of sounds at different audible
3   frequencies separated by ~~second~~ short silent periods between the sounds within the group of
4   sounds, said ~~second~~ short silent periods having a duration similar to the duration of the
5   sounds included in the group of sounds.

1   5.   (cancelled)

1   6.   (currently amended) The method of Claim ~~1~~ 48 wherein the groups of sounds include
2   sounds in the audible frequency range of 1 kHz to 10 kHz.

1   7.   (original) The method of Claim 6 wherein the groups of sounds include sounds in the
2   audible frequency range of 1 kHz to5 kHz.

1   8.   (currently amended) The method of Claim ~~1~~ 48 comprising additionally determining
2   a speed of the moving vehicle and adjusting a volume of the sound pattern projected from the
3   moving vehicle based on the determined speed of the moving vehicle.

1   9.   (original) The method of Claim 8 comprising automatically initiating the projection
2   of the sound pattern from the moving vehicle when the determined speed of the moving
3   vehicle exceeds a selected threshold speed and automatically terminating the projection of the
4   sound pattern from the moving vehicle when the determined speed of the moving vehicle is
5   less than the selected threshold speed.

1   10.   (original) The method of Claim 8 wherein determining a speed of the moving vehicle
2   includes determining a speed of the moving vehicle from an on-board vehicle computer.

1   11.   (currently amended) The method of Claim ~~1~~ 48 comprising additionally determining
2   a location of the moving vehicle and automatically adjusting the sound pattern projected from
3   the moving vehicle in response to the determined location of the moving vehicle.

1   12.   (original) The method of Claim 11 wherein determining a location of the moving
2   vehicle includes determining a location of the moving vehicle using a global positioning
3   system.

1   13.   (cancelled)

1   14.   (currently amended) The animal alerting device of Claim ~~13~~ 49 wherein the control
2   circuit includes a microprocessor and memory, wherein the memory includes data defining ~~a~~
3   the plurality of different groups of audible sounds, and wherein the microprocessor is
4   programmed to select randomly from among the data defining the plurality of different
5   groups of audible sounds to generate the sound generation control signals.

1   15.   (currently amended) The animal alerting device of Claim ~~13~~ 49 wherein a ratio of a
2   duration of the groups of sounds to a duration of the ~~first~~ long silent periods is less than 1:1.

1   16.   (original) The animal alerting device of Claim 14 wherein the data defining a
2   plurality of different groups of audible sounds defines at least one of the plurality of different
3   groups of sounds including a plurality of sounds at different audible frequencies.

1   17.   (currently amended) The animal alerting device of Claim 16 wherein the data
2   defining at least one of the plurality of different groups of audible sounds includes data
3   defining at least one of the plurality of different groups of sounds including a plurality of
4   sounds at different audible frequencies separated by ~~second~~ short silent periods between the
5   sounds within the group of sounds, said ~~second~~ short silent periods having a duration similar
6   to a duration of the sounds included in the group of sounds.

1   18.   (cancelled)

1   19.   (currently amended) The animal alerting device of Claim ~~13~~ 49 wherein the groups of
2   sounds include sounds in the audible frequency range of 1 kHz to 10 kHz.

1   20.   (original) The animal alerting device of Claim 19 wherein the groups of sounds

2   include sounds in the audible frequency range of 1 kHz to5 kHz.

1   21.   (currently amended) The animal alerting device of Claim ~~13~~ 49 wherein the control

2   circuit is adapted to determine a speed of the vehicle and to adjust a volume of the sound

3   pattern produced from the speaker based on the determined speed of the vehicle.

1   22.   (original) The animal alerting device of Claim 21 wherein the control circuit is

2   adapted automatically to initiate the production of the sound pattern from the speaker when

3   the determined speed of the vehicle exceeds a selected threshold speed and automatically to

4   terminate the production of the sound pattern from the speaker when the determined speed of

5   the vehicle is less than the selected threshold speed.

1   23.   (original) The animal alerting device of Claim 21 wherein the control circuit is

2   coupled to an on-board vehicle computer to determine a speed of the vehicle.

1   24.   (original) The animal alerting device of Claim 23 wherein the control circuit is

2   coupled to an on-board vehicle computer via an OBD-II port connection.

1   25.   (currently amended) The animal alerting device of Claim ~~13~~ 49 wherein the control

2   circuit is adapted to determine a location of the moving vehicle and automatically to adjust

3   the sound pattern produced from the speaker in response to the determined location of the

4   vehicle.

1   26.   (original) The animal alerting device of Claim 25 wherein the control circuit is

2   coupled to a global positioning system receiver to determine a location of the moving vehicle.

1   27.   (currently amended) The animal alerting device of Claim ~~13~~ 49 wherein the speaker

2   is a piezo-electric speaker.

1   28.   (original) A method for alerting animals to prevent animal-vehicle crashes,

2   comprising: projecting from a moving vehicle a sound pattern comprising groups of sounds

3   separated by silent periods, wherein each group of sounds includes one or more sounds in an

4   audible frequency range, and wherein a ratio of a duration of the groups of sounds to a

5   duration of the silent periods in the sound pattern is less than 1:1.

1   29.   (original) The method of Claim 28 wherein the groups of sounds included in the
2   sound pattern include a plurality of different groups of sounds.

1   30.   (original) The method of Claim 29 comprising additionally including the groups of
2   sounds in the sound pattern in a random sequence.

1   31.   (original) The method of Claim 28 wherein at least one of the plurality of different
2   groups of sounds includes a plurality of sounds at different frequencies.

1   32.   (original) The method of Claim 31 wherein at least one of the plurality of different
2   groups of sounds includes a plurality of sounds at different frequencies separated by second
3   silent periods between the sounds within the group of sounds, said second silent periods
4   having a duration similar to a duration of the sounds included in the group of sounds.

1   33.   (original) The method of Claim 28 wherein the groups of sounds include sounds in
2   the audible frequency range of 1 kHz to 10 kHz.

1   34.   (original) The method of Claim 33 wherein the groups of sounds include sounds in
2   the audible frequency range of 1 kHz to 5 kHz.

1   35.   (original) An animal alerting device adapted for mounting on a vehicle to prevent
2   animal-vehicle crashes, comprising:
3   a speaker;
4   a driver circuit coupled to the speaker for driving the speaker in response to sound
5   generation control signals received thereby; and
6   a control circuit coupled to the driver circuit and adapted to generate the sound
7   generation control signals for producing via the driver circuit and speaker a sound pattern
8   comprising groups of sounds separated by silent periods, wherein each group of sounds
9   includes one or more sounds in an audible frequency range, and wherein a ratio of a duration
10   of the groups of sounds to a duration of the silent periods in the sound pattern is less than 1:1.

1   36.   (original) The animal alerting device of Claim 35 wherein the control circuit includes
2   a microprocessor and memory, wherein the memory includes data defining a plurality of
3   different groups of sounds, and wherein the microprocessor is programmed to select
4   randomly from among the data defining the plurality of different groups of sounds to
5   generated the sound generation control signals.

1   37.   (original) The animal alerting device of Claim 36 wherein the data defining a
2   plurality of different groups of sounds defines at least one of the plurality of different groups
3   of sounds including a plurality of sounds at different frequencies.

1   38.   (original) The animal alerting device of Claim 37 wherein the data defining at least
2   one of the plurality of different groups of sounds includes data defining at least one of the
3   plurality of different groups of sounds including a plurality of sounds at different frequencies
4   separated by second silent periods between the sounds within the group of sounds, said
5   second silent periods having a duration similar to the duration of the sounds included in the
6   group of sounds.

1   39.   (original) The animal alerting device of Claim 35 wherein the groups of sounds
2   include sounds in the audible frequency range of 1 kHz to 10 kHz.

1   40.   (original) The animal alerting device of Claim 39 wherein the groups of sounds
2   include sounds in the audible frequency range of 1 kHz to 5 kHz.

1   41.   (original) The animal alerting device of Claim 35 wherein the speaker is a
2   piezoelectric speaker.

1   42.   (original) A method for alerting animals to prevent animal-vehicle crashes,
2   comprising:
3   (a)   projecting from a moving vehicle a sound pattern;
4   (b)   determining a location of the moving vehicle; and
5   (c)   adjusting automatically the sound pattern projected from the moving vehicle in
6   response to the determined location of the moving vehicle.

1   43.   (original) The method of Claim 42 wherein the sound pattern comprises a plurality of
2   randomly selected different groups of audible sounds separated by silent periods between the
3   groups of sounds, wherein each group of sounds includes one or more sounds in an audible
4   frequency range.

1   44.   (original) The method of Claim 42 wherein determining a location of the moving
2   vehicle includes determining a location of the moving vehicle using a global positioning
3   system receiver.

1   45.   (original) An animal alerting device adapted for mounting on a vehicle to prevent

2   animal-vehicle crashes, comprising

3   (a)   a speaker;

4   (b)   a driver circuit coupled to the speaker for driving the speaker in response to

5   sound generation control signals;

6   (c)   location determining means for determining a location of the vehicle; and

7   (d)   a control circuit coupled to the driver circuit and to the location determining

8   means and adapted to generate the sound generation control signals for producing via the

9   driver circuit and speaker a sound pattern and to adjust automatically the sound pattern

10   produced from the speaker in response to the determined location of the vehicle.

1   46.   (original) The animal alerting device of Claim 45 wherein the location determining

2   means includes a global positioning system receiver.

1   47.   (original) The animal alerting device of Claim 45 wherein the speaker is a piezo-

2   electric speaker.

1   48.   (new) A method for alerting animals to prevent animal-vehicle crashes, comprising:

2   projecting from a moving vehicle a sound pattern comprising a plurality of different

3   groups of sounds, wherein each of the plurality of different groups of sounds includes a

4   plurality of sounds in an audible frequency range separated by short silent periods, including

5   automatically randomly selecting a one of the plurality of different groups of sounds to be

6   projected from the moving vehicle followed by a long silent period that is longer in duration

7   than the short silent periods and repeating the automatic random selection of sound groups

8   followed by long silent periods to generate the sound pattern projected from the moving

9   vehicle.

1   49.   (new) An animal alerting device adapted for mounting on a vehicle to prevent

2   animal-vehicle crashes, comprising:

3   a speaker;

4   a driver circuit coupled to the speaker for driving the speaker in response to sound

5   generation control signals received thereby; and

6   a control circuit coupled to the driver circuit and adapted to generate the sound

7   generation control signals for producing via the driver circuit and speaker a sound pattern

8   comprising a plurality of different groups of sounds, wherein each of the plurality of different

9   groups of sounds includes a plurality of sounds in an audible frequency range separated by

10   short silent periods, wherein the control circuit is adapted to automatically randomly select a

11   one of the plurality of different groups of sounds followed by a long silent period that is

12   longer in duration than the short silent periods and to repeat the automatic random selection

13   of sound groups followed by long silent periods.